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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/007,527A

DATE: 06/28/2002
TIME: 11:20:06

Input Set : A:\CL1709 US NA SEQ.txt
Output Set: N:\CRF3\06282002\J007527A.raw

5 <110> APPLICANT: Tomb, Jean-Francois
6 Bramucci, Michael G.
7 Cheng, Qiong
8 Kostichka, Kristy N.
11 <120> TITLE OF INVENTION: Rhodococcus Cloning and Expression Vectors
14 <130> FILE REFERENCE: CL1709 US NA
C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/007,527A
C--> 17 <141> CURRENT FILING DATE: 2001-12-05
17 <150> PRIOR APPLICATION NUMBER: 60/254,868
18 <151> PRIOR FILING DATE: 2000-12-12
21 <160> NUMBER OF SEQ ID NOS: 30
24 <170> SOFTWARE: Microsoft Office 97
27 <210> SEQ ID NO: 1
29 <211> LENGTH: 1140
31 <212> TYPE: DNA
33 <213> ORGANISM: Rhodococcus AN12
37 <400> SEQUENCE: 1
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42 gaaacattta acgcctgtgg cccggccgatt tctggcgtga acgggtgtgac cattgtcaac 180
44 ggtccgaaag gttctggatt cgagggcctt cgttcctgcg gaaagggctg gatctgcccc 240
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60 atcggcggtg aagctgatca agttctcgat gcttatctga cggaaaattgc atctggcgat 720
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97 Lys Leu Gln Gln Ile Thr Thr Ser Glu Thr Phe Asn Ala Cys Gly Arg
98 35 40 45
101 Pro Ile Ser Gly Val Asn Gly Val Thr Ile Val Asn Gly Pro Lys Gly
102 50 55 60
105 Ser Gly Phe Gly Gly Leu Arg Ser Cys Gly Lys Gly Trp Ile Cys Pro
106 65 70 75 80
109 Cys Cys Ala Gly Lys Val Gly Ala His Arg Ala Asp Glu Ile Ser Gln
110 85 90 95
113 Val Val Ala His Gln Leu Gly Thr Gly Ser Val Ala Met Val Thr Met
114 100 105 110
117 Thr Met Arg His Thr Ala Gly Gln Arg Leu His Asp Leu Trp Thr Gly
118 115 120 125
121 Leu Ser Ala Ala Trp Lys Ala Ala Thr Asn Gly Arg Arg Trp Arg Thr
122 130 135 140
125 Glu Arg Glu Met Tyr Gly Cys Asp Gly Tyr Val Arg Ala Val Glu Ile
126 145 150 155 160
129 Thr His Gly Lys Asn Gly Trp His Val His Val His Ala Leu Leu Met
130 165 170 175
133 Phe Ser Gly Asp Val Ser Glu Asn Ile Leu Glu Ser Phe Ser Asp Ala
134 180 185 190
137 Met Phe Asp Arg Trp Thr Ser Lys Leu Val Ser Leu Gly Phe Ala Ala
138 195 200 205
141 Pro Leu Arg Asn Ser Gly Gly Leu Asp Val Arg Lys Ile Gly Gly Glu
142 210 215 220
145 Ala Asp Gln Val Leu Ala Ala Tyr Leu Thr Lys Ile Ala Ser Gly Val
146 225 230 235 240
149 Gly Met Glu Val Gly Ser Gly Asp Gly Lys Ser Gly Arg His Gly Asn
150 245 250 255
153 Arg Ala Pro Trp Glu Ile Ala Val Asp Ala Val Gly Gly Asp Pro Gln
154 260 265 270
157 Ala Leu Glu Leu Trp Arg Glu Phe Glu Phe Gly Ser Met Gly Arg Arg
158 275 280 285
161 Ala Ile Ala Trp Ser Arg Gly Leu Arg Ala Arg Ala Gly Leu Gly Ala
162 290 295 300
165 Glu Leu Thr Asp Ala Gln Ile Val Glu Gln Glu Glu Ser Ala Pro Val
166 305 310 315 320
169 Met Val Ala Ile Ile Pro Ala Arg Ser Trp Met Met Ile Arg Thr Cys
170 325 330 335
173 Ala Pro Tyr Val Phe Gly Glu Ile Leu Gly Leu Val Glu Ala Gly Ala
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182 370 375
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187 <211> LENGTH: 891
189 <212> TYPE: DNA

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 200 aaatctcaat gcacctacaa cctgctcgca caggctggat cgaatcccgc tgtcgctgtc 180
 202 gtcggagtgc atcccacttc cgtcttacta gcccattcg tccaccgacg accggctgaa 240
 204 ccgaacatcg agctcggtt gaaacgattt gacaaagtcc tccgagtgtt ccagttcg 300
 206 aaagcagaat ctgaccgacg aatcgagtgt ttctggatc gacgcata gaaaatttcg 360
 208 ttgttctcg cagcaactacc ttcattcctt ctcgtactgg aagaatttcg cggaatcatc 420
 210 gagggcgcac aggatttcg a tcaacccaa ggtctgaaac cagcagacag atacgcaccc 480
 212 cgcacatcgat cgcttgcg acagatcgct gtcagtctg ccaaaggcagg catcagaatg 540
 214 ttgtcttgg ctcaacgtgc ggaagcttcc atcggttgc gaaacgccc ctcgaacttc 600
 216 gcggtaaaaa tgactctccg ctagacgaa cctgaatctg tcaaaatgtt gcaccccaac 660
 218 gcaacacctg aagagtgcgc actggtcgaa ggattcgtcc ctggtaagg cttttcgac 720
 220 caacccggac tacggcgcca aatgatccg acggttcgac taggtgagta ctcgacctac 780
 222 gcgagttacg tcgaaaacgc agacctcgac tacgaagccg cactgaacat cgaccgagca 840
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 231 <212> TYPE: PRT
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 237 <400> SEQUENCE: 4
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 243 Ala Gln Pro Val Met Val Asp Ile Ala Lys Asp Ala Ala His Trp Leu
 244 20 25 30
 247 Ile Gln Gly Lys Thr Arg Ser Gly Lys Ser Gln Cys Thr Tyr Asn Leu
 248 35 40 45
 251 Leu Ala Gln Ala Gly Ser Asn Pro Ala Val Arg Val Val Gly Val Asp
 252 50 55 60
 255 Pro Thr Ser Val Leu Ala Pro Phe Val His Arg Arg Pro Ala Glu
 256 65 70 75 80
 259 Pro Asn Ile Glu Leu Gly Leu Asn Asp Phe Asp Lys Val Leu Arg Val
 260 85 90 95
 263 Leu Gln Phe Val Lys Ala Glu Ser Asp Arg Arg Ile Glu Cys Phe Trp
 264 100 105 110
 267 Asp Arg Arg Ile Asp Lys Ile Ser Leu Phe Ser Pro Ala Leu Pro Leu
 268 115 120 125
 271 Ile Leu Leu Val Leu Glu Glu Phe Pro Gly Ile Ile Glu Gly Ala Gln
 272 130 135 140
 275 Asp Phe Asp Ala Thr Asn Gly Leu Lys Pro Ala Asp Arg Tyr Ala Pro
 276 145 150 155 160
 279 Arg Ile Thr Ser Leu Val Arg Gln Ile Ala Ala Gln Ser Ala Lys Ala
 280 165 170 175
 283 Gly Ile Arg Met Leu Leu Leu Ala Gln Arg Ala Glu Ala Ser Ile Val
 284 180 185 190
 287 Gly Gly Asn Ala Arg Ser Asn Phe Ala Val Lys Met Thr Leu Arg Val
 288 195 200 205
 291 Asp Glu Pro Glu Ser Val Lys Met Leu His Pro Asn Ala Thr Pro Glu

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296	225				230				235							240	
299	Gln	Pro	Gly	Leu	Arg	Arg	Gln	Met	Ile	Arg	Thr	Val	Arg	Val	Gly	Glu	
300					245				250							255	
303	Tyr	Ser	Thr	Tyr	Ala	Ser	Tyr	Val	Glu	Asn	Ala	Asp	Leu	Ala	Tyr	Glu	
304					260				265							270	
307	Ala	Ala	Leu	Asn	Ile	Asp	Arg	Ala	Gln	Arg	Met	Thr	Ile	Ala	Ser	Glu	
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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/007,527A

DATE: 06/28/2002

TIME: 11:20:07

Input Set : A:\CL1709 US NA SEQ.txt

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L:17 M:270 C: Current Application Number differs, Replaced Current Application No

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date